

## Elab Fluor® Violet 450 Anti-Human CD64 Antibody[10.1]

Catalog Number: E-AB-F1082Q

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

| Description             |   |
|-------------------------|---|
| Reactivity              | Human   |
| Host                    | Mouse   |
| Isotype                 | Mouse IgG1, κ   |
| Clone No.               | 10.1  |
| Isotype Control         | Elab Fluor® Violet 450 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792Q]  |
| Conjugation             | Elab Fluor® Violet 450  |
| Conjugation Information | Elab Fluor® Violet 450 is designed to be excited by the violet laser (405 nm) and detected using an optical filter centered near 450 nm (e.g., a 450/45 nm bandpass filter).  |
| Storage Buffer          | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide and 1% BSA.  |
| Applications            | Recommended usage   |
| FCM                     | Each lot of this antibody is quality control tested by flow cytometric analysis. <b>The amount of the reagent is suggested to be used 5 μL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood).</b> Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.   |
| Preparation & Storage   |   |
| Storage                 | Keep as concentrated solution.<br>This product can be stored at 2-8°C for 12 months. Please protected from prolonged exposure to light and do not freeze.   |
| Shipping                | Ice bag   |
| Antigen Information     |   |
| Alternate Names         | CD64;CD64A/B/C;FCGR1A/B/C;Fc fragment of IgG high affinity Ia/b/c receptor;Fc gamma RI;IGFR 1   |
| Uniprot ID              | P12314  |
| Gene ID                 | 2209  |
| Background              | CD64 is a 72 kD single chain type I glycoprotein also known as FcγRI and FcR I. CD64 is a member of the immunoglobulin superfamily and is expressed on monocytes/macrophages, dendritic cells, and activated granulocytes. The expression can be upregulated by IFN-γ stimulation. CD64 binds IgG immune complex. It plays a role in antigen capture, phagocytosis of IgG/antigen complexes, and antibody-dependent cellular cytotoxicity (ADCC). |